

Attorney Docket No.: 06666/076001/USC-2892

REMARKS

Reconsideration and allowance of the above referenced application are respectfully requested.

Applicants narrow each of the claims presently pending in the case in order to narrow the issues before the Examiner. To summarize, all of the prior art defines artifacts from the attempt to make the three-dimensional model. For example, Ayache has been shown to produce streaks in his model. The present application teaches techniques which create a better disparity map. According to one aspect, a disparity map is created as a volume in the x, y, d space. A continuous sheet is found in that space. A set of seed points are formed which are sure, or reasonably sure, to be correct.

Claims 1-12 have been canceled, and Claim 13 has been rewritten to emphasize this aspect. Claim 29 has been amended to include the limitations of claim 30 therein, and further emphasizes this aspect.

Claim 43 has been canceled to obviate the issues thereto.

Claim 44 has been amended to include the limitations of Claims 45 therein as well as analogous limitations to those found in Claim 13.

Claim 46 has been amended to include the limitations of claim 13 therein.

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Claims 50-54 have been canceled to obviate the issues raised thereby.

Claim 55 has been amended to include the limitations of Claim 56 therein and also to further emphasize this patentable feature.

Another aspect forms the disparity map over multiple scales, in order to obtain information, but over multiple different scales. Claim 14 has been amended into independent form, and defines this feature. Claim 39 has been amended to include this feature therein. Claims 50 defines the two resolutions, which is nowhere taught or suggested by the cited prior art.

Another aspect, defined extensively by the dependent claims, is that of making points of the sheet always align. Again, this is nowhere taught or suggested by the cited prior art.

A notice on the merits is requested.

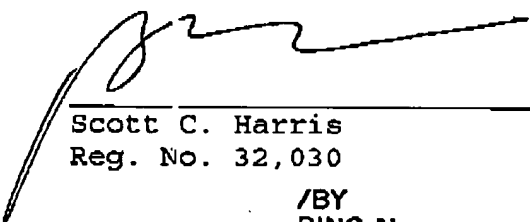
It is believed that all of the pending claims have been addressed in this paper. However, failure to address a specific rejection, issue or comment, does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above are not intended to be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed.

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Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

Applicants ask that all claims be allowed. Please apply all applicable charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: December 9, 2005  
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